AMENDMENTS TO THE CLAIMS

The following is a complete listing of the claims that replaces all previous versions:

1. (Currently Amended) An inventory management system for managing an inventory of materials between a supplier and a customer, the system comprising:

at least one container containing an amount of a supplier's inventory material at a first monitored location at a supplier workplace;

at least one container containing an amount of a customer's inventory material at a second monitored location at a customer workplace;

at least one measurement instrument operatively associated with the supplier's container and at least one measurement instrument operatively associated with the customer's container, each of the measurement instruments being configured to generate at least one data signal representative of respective amounts and compositions of the inventory material in the supplier's container at the supplier workplace and in the customer's container at the customer workplace, wherein the generated data signals representative of the respective compositions of the inventory material are associated with a product identifier and a container identifier;

a telemetry unit in communication with each of the measurement instruments, the telemetry unit being configured to receive at least the generated data signals ~~signal~~ from the measurement instruments and to convert the generated data signals ~~signal~~ into inventory information;

a monitoring mail server in communication with the telemetry unit, the monitoring mail server configured to receive at least the inventory information from the telemetry unit; and

at least an inventory management server in communication with the monitoring mail server, the inventory management server configured to ~~for~~ receive~~ing~~ at least the inventory information from the monitoring mail server via an Internet connection, the inventory management server being configured to process the inventory information for presentation on at least one website, and wherein the inventory management server is configured to process the generated data signals representative of the respective compositions of the inventory material to preserve use of at least one container for containing only one type or certain types of inventory material.

2. (Previously Presented) The system of claim 1, wherein at least one of the measurement instrument, the telemetry unit, and the monitoring mail server are located at the first monitored location or at the second monitored location.

3. (Previously Presented) The system of claim 1, wherein the inventory management server is located at an inventory management location.

4. (Previously Presented) The system of claim 1, wherein the containers comprise at least one of a tank, bin, silo, vessel and storage arrangement.

5. (Original) The system of claim 1, wherein the inventory material comprises at least one of a gas, liquid, agricultural product, food product, fabricated component, hardware, raw material and physical good.

6. (Original) The system of claim 1, wherein the measurement instrument comprises at least one of a thermocouple, ultrasonic sensor, pressure sensor, sound sensor, and radar sensor.

7. (Original) The system of claim 1, further comprising a communications link between the measurement instrument and the telemetry unit, wherein the communications link comprises at least one of a wireline communications link and a wireless communications link.

8. (Original) The system of claim 7, wherein the wireline communications link comprises an Ethernet connection.

9. (Previously Presented) The system of claim 7, wherein the wireless communications link comprises at least one of a radio frequency, IEEE 802.11 wireless LAN or Bluetooth technology.

10. (Previously Presented) The system of claim 1, further comprising a communications link between the telemetry unit and the monitoring mail server, wherein the

communications link comprises at least one of a wireline communications link and wireless communications link.

11. (Original) The system of claim 10, wherein the wireline communications link comprises an Ethernet connection.

12. (Previously Presented) The system of claim 10, wherein the wireless communications link comprises at least one of a radio frequency, IEEE 802.11 wireless LAN or Bluetooth technology.

13. (Currently Amended) The system of claim 1, wherein the inventory information comprises at least one of material identity, material composition, container level, inventory amount, inventory temperature, inventory flow rate, specific gravity, moisture content, weight, container specifications, network specifications, usage information, delivery information, user information and workplace information.

14. (Original) The system of claim 1, wherein the website comprises at least one web page including at least one of a main menu, a weekly report, a daily report, an individual container report, a delivery entry, a delivery summary, a user administration menu and a container/location administration menu.

15. (Currently Amended) The system of claim 1, further comprising at least one of the monitoring mail server and the inventory management server ~~servers~~ being configured to process at least one of at least one message and at least one notification.

16. (Original) The system of claim 15, wherein the at least one notification comprises at least one of a delivery notification, an inventory level notification and a system alert.

17. (Original) The system of claim 15, wherein at least one of the message and the notification comprises an Extensible Markup Language (XML) message including the inventory information.

18. (Original) The system of claim 15, wherein at least one of the message and the notification comprises a Simple Object Access Protocol (SOAP) message including the inventory information.

19. (Currently Amended) A method of monitoring inventory information associated with at least one container containing an amount of a supplier's inventory material at a first monitored location at a supplier workplace and at least one container containing an

amount of a customer's inventory at a second monitored location at a customer workplace, the method comprising:

receiving in a first measurement instrument at least one generated data signal representative of the amount and composition of the inventory material in the at least one container at the supplier workplace;

receiving in a second measurement instrument at least one generated data signal representative of the amount and composition of the inventory material in the at least one container at the customer workplace;

associating the generated data signals representative of the respective compositions of the inventory material with a product identifier and a container identifier;

transmitting the generated data signals ~~signal~~ to a telemetry unit in communication with each of the measurement instruments, the telemetry unit being configured to receive at least the generated data signals ~~signal~~ from the measurement instruments;

converting the generated data signals ~~signal~~ into inventory information;

transmitting the inventory information through an Internet network connection to at least one inventory management server associated with an inventory management location;

using the inventory management server for processing the generated data signals representative of the respective compositions of the inventory material to preserve use of at least one container for containing only one type or certain types of inventory material; and

serving at least one web page including at least a portion of the inventory information.

20. (Currently Amended) A computer-readable medium including instructions for performing a method of monitoring inventory information associated with at least one container containing an amount of a supplier's inventory material at a first monitored location at a supplier workplace and at least one container containing an amount of a customer's inventory at a second monitored location at a customer workplace, the computer-readable medium comprising:

instructions for receiving in a first measurement instrument at least one generated data signal representative of the amount and composition of the inventory material in the at least one container at the supplier workplace;

instructions for receiving in a second measurement instrument at least one generated data signal representative of the amount and composition of the inventory material in the at least one container at the customer workplace;

instructions for associating the generated data signals representative of the respective compositions of the inventory material with a product identifier and a container identifier;

instructions for transmitting the generated data signals ~~signal~~ to a telemetry unit in communication with each of the measurement instruments, the telemetry unit being configured to receive at least the generated data signals ~~signal~~ from the measurement instruments;

instructions for converting the generated data signals ~~signal~~ into inventory information;

instructions for transmitting the inventory information through an Internet network connection to at least one inventory management server associated with an inventory management location; ~~and~~

instructions for processing the generated data signals representative of the respective compositions of the inventory material, using the inventory management server, to preserve use of at least one container for containing only one type or certain types of inventory material; and

instructions for serving at least one web page including at least a portion of the inventory information.

21. (Currently Amended) An inventory management system configured for use in association with at least one container containing an amount of a supplier's inventory material at a first monitored location at a supplier workplace and at least one container containing an amount of a customer's inventory at a second monitored location at a customer workplace, the system comprising:

a telemetry unit in communication with a first measurement instrument at the first monitored location at the supplier workplace and a second measurement instrument at the second monitored location at the customer workplace, the telemetry unit being configured to generate at least one data signal representative of respective amounts and compositions of the inventory material in each of the containers, wherein the generated data signal representative of the respective compositions of the inventory material is associated with a product identifier and a container identifier;

~~at least~~ a monitoring mail server in communication with the telemetry unit ~~monitored location~~, the monitoring mail server configured to receive at least the inventory information from the telemetry unit; ~~and,~~

an inventory management server in communication with the monitoring mail server, the inventory management server configured to receive at least the inventory information from the monitoring mail server via an Internet connection and to process the generated data signal representative of the respective compositions of the inventory material to preserve at least one container for containing only one type or certain types of inventory material; and

wherein the inventory information includes generated data representative of the amounts ~~amount~~ and compositions of the inventory material in the at least one container at the supplier workplace and in the at least one container at the customer workplace.

22. (Currently Amended) An inventory management system for managing an inventory of materials between a supplier and a customer, the system comprising:

at least one container containing an amount of a supplier's inventory material at a first monitored location at a supplier workplace;

at least one container containing an amount of a customer's inventory material at a second monitored location at a customer workplace;

at least one measurement instrument operatively associated with the supplier's container and at least one measurement instrument operatively associated with the customer's container, each of the measurement instruments being configured to generate at least

one data signal representative of respective amounts and compositions of the inventory material in the supplier's container at the supplier workplace and in the customer's container at the customer workplace, wherein the generated data signals representative of the respective compositions of the inventory material are associated with a product identifier and a container identifier;

a telemetry unit in communication with each of the measurement instruments, the telemetry unit being configured to receive at least the generated data signals ~~signal~~ from the measurement instruments and to convert the generated data signals ~~signal~~ into inventory information;

a monitoring mail server in communication with the telemetry unit, the monitoring mail server configured to receive at least the inventory information from the telemetry unit;

at least a second server in communication with the monitoring mail server, the second server configured to ~~for~~ receive~~ing~~ at least the inventory information from the monitoring mail server via an Internet connection, the second server being configured to process the inventory information for presentation on at least one website, and the second server configured to process the generated data signals representative of the respective compositions of the inventory material to preserve at least one container for containing only one type or certain types of inventory material; and

a wireless communications link between the measurement instruments and the telemetry unit, wherein the wireless communications link comprises at least one of radio frequency, IEEE 802.11 wireless LAN or Bluetooth technology.

23. (Currently Amended) An inventory management system for managing an inventory of materials between a supplier and a customer, the system comprising:

at least one container containing an amount of a supplier's inventory material at a first monitored location at a supplier workplace;

at least one container containing an amount of a customer's inventory material at a second monitored location at a customer workplace;

at least one measurement instrument operatively associated with the supplier's container and at least one measurement instrument operatively associated with the customer's container, each of the measurement instruments being configured to generate at least one data signal representative of respective amounts and compositions of the inventory material in the supplier's container at the supplier workplace and in the customer's container at the customer workplace, wherein the generated data signals representative of the respective compositions of the inventory material are associated with a product identifier and a container identifier;

a telemetry unit in communication with each of the measurement instruments, the telemetry unit being configured to receive at least the generated data signals ~~signal~~ from the measurement instruments and to convert the generated data signals ~~signal~~ into inventory information;

a monitoring mail server in communication with the telemetry unit, the monitoring mail server configured to receive at least the inventory information from the telemetry unit;

at least a second server in communication with the monitoring mail server, the second server configured for receiving at least the inventory information from the monitoring mail server via an Internet connection, the second server being configured to process the inventory information for presentation on at least one website, and wherein the second server is configured to process the generated data signals representative of the respective compositions of the inventory material to preserve at least one containers for containing only one type or certain types of inventory material; and

a wireless communications link between the telemetry unit and the monitoring mail server, wherein the wireless communications link comprises at least one of a radio frequency, IEEE 802.11 wireless LAN or Bluetooth technology.